

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Please type a plus sign (+) inside this box ☐

PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	09/463,427
	Filing Date	March 29, 2000
	First Named Inventor	Rudy, Y.
	Group Art Unit	3762
	Examiner Name	Evanisko, George R.
	Attorney Docket Number	CWO-002.01

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

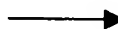
☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☒ Please change the correspondence address for the above-identified application to:

☒ Customer Number

25181



Place Customer  
Number Bar Code  
Label here

OR


<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
City				
Country		State		ZIP
Telephone		Fax		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name	Casey Porto	 <b>CASEY PORTO</b> <b>ASSOCIATE VICE PRESIDENT</b> <b>TECHNOLOGY TRANSFER</b> <b>CASE WESTERN RESERVE UNIVERSITY</b>
Signature		
Date	October 15, 2002	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/463,427
Filing Date	March 29, 2000
First Named Inventor	Rudy, Yoram
Title	Electrophysiological Cardiac...
Group Art Unit	3762
Examiner Name	Evanisko, George R.
Attorney Docket Number	CWO-002.01

I hereby appoint:



Practitioners at Customer Number

25181

Place Customer  
Number Bar Code  
Label here

OR



Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:



The above-mentioned Customer Number.

OR



Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR



Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:



Applicant/Inventor.



Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Casey Porto

Signature

Date

October 15, 2002

CASEY PORTO  
ASSOCIATE VICE PRESIDENT  
TECHNOLOGY TRANSFER  
CASE WESTERN RESERVE UNIVERSITY

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.



\*Total of 1 forms are submitted.

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTROPHYSIOLOGICAL CARDIAC MAPPING SYSTEM  
BASED ON A NON-CONTACT NON-EXPANDABLE MINIATURE  
MULTI-ELECTRODE CATHETER AND METHOD THEREFOR**

the specification of which:

- ☐ is attached hereto.  
☒ was filed on January 21, 2000  
as U.S. Serial No. 09/463,427

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>PCT/US98/15712</u>	<u>United States</u>	<u>29 July 1998</u>
(Number)	(Country)	(Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:

<u>60/054,342</u>	<u>31 July 1997</u>
(Application Number)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Serial No.)	(Filing Date)	(Status)
--------------	---------------	----------

I hereby appoint the following attorneys to prosecute this application and to transact all business in the U.S. Patent Office connected therewith:

Steven M. Auvil, Reg. No. 40,492  
Mark E. Bandy, Reg. No. 35,788  
Brian G. Bembenick, Reg. No. 41,463  
John P. Cornely, Reg. No. 41,687  
Joseph D. Dreher, Reg. No. 37,123  
Christopher B. Fagan, Reg. No. 22,987  
Jude A. Fry, Reg. No. 38,340  
Steven M. Haas, Reg. No. 37,841  
W. Scott Harders, Reg. No. 42,629  
Michael E. Hudzinski, Reg. No. 34,185  
Richard M. Klein, Reg. No. 33,000  
Thomas E. Kocovsky, Jr., Reg. No. 28,383

Sandra M. Koenig, Reg. No. 33,722  
Brian E. Kondas, Reg. No. 40,685  
Scott A. McCollister, Reg. No. 33,961  
James W. McKee, Reg. No. 26,482  
Richard J. Minnich, Reg. No. 24,175  
Jay F. Moldovanyi, Reg. No. 29,678  
Philip J. Moy, Reg. No. 31,280  
Timothy E. Nauman, Reg. No. 32,283  
Patrick R. Roche, Reg. No. 29,580  
Albert P. Sharpe, III, Reg. No. 19,879  
R. Scott Speroff, Reg. No. 37,450  
Mark S. Svat, Reg. No. 34,261

Address all telephone calls to: Richard J. Minnich  
At Telephone Number: (216) 861-5582  
Address all correspondence to:

FAY, SHARPE, FAGAN, MINNICH & MCKEE, LLP  
1100 Superior Avenue  
Seventh Floor  
Cleveland, Ohio 44114-2518

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the

like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Yoram Rudy

Full Name of Sole Inventor

Yoram Rudy  
Inventor's Signature

Date

February 28, 2000

Shaker Heights, Ohio 44120

Residence

U.S.

Citizenship

3030

6060 Huntington Road

Post Office Address

Shaker Heights, Ohio 44120